

ABSTRACT OF THE DISCLOSURE

Apparatus for regulating a driver, such as a single-shaft gas turbine, driving a gas
5 compressor, such as a refrigerant compressor in a baseload LNG plant. The
compressor has a gas inlet and a gas outlet and includes: a recycle pressure relief
device in fluid communication with the gas outlet, the recycle pressure relief device
adapted to receive a stream of a compressed gas having a discharge pressure from the
gas outlet; and a conduit in fluid communication with the gas inlet, whereby the gas inlet
10 receives at least a portion of the stream of the compressed gas transmitted to the
conduit from the recycle pressure relief device when the discharge pressure reaches a
designated pressure.

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